

INTERNATIONAL SEARCH REPORT

International Application No

PCT/DE2004/000130

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|---|--|--|
| A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A43B13/14 A43B19/00 A43B17/00 A43B7/20 A43B17/10 | | |
| According to International Patent Classification (IPC) or to both national classification and IPC | | |
| B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 A43B | | |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched | | |
| Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | |
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | DE 202 07 304 U (KABUS JAN) 2 October 2002 (2002-10-02) the whole document | 1-3 |
| X | EP 0 362 185 A (MOURIN PHILIPPE) 4 April 1990 (1990-04-04) the whole document | 1-3 |
| X | FR 2 380 687 A (WATL KG JOHANN) 8 September 1978 (1978-09-08) the whole document | 1-3 |
| X | US 5 592 757 A (JACKINSKY CARMEN U) 14 January 1997 (1997-01-14) claim 1; figure 1 | 1-3 |
| -/- | | |
| <div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. </div> | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>"&" document member of the same patent family</p> </div> </div> | | |
| Date of the actual completion of the international search <div style="text-align: center; font-weight: bold;">26 August 2004</div> | | Date of mailing of the international search report <div style="text-align: center; font-weight: bold;">29. 09. 2004</div> |
| Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 | | Authorized officer <div style="text-align: center; font-weight: bold;">Cianci, S</div> |

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | WO 01/15560 A (NEGORT AG ; MUELLER KARL (CH)) 8 March 2001 (2001-03-08) page 8, line 23 - page 9, line 21; figures 1-5 | 1-3 |
| P,A | EP 1 310 181 A (HTM SPORT SPA) 14 May 2003 (2003-05-14) paragraph '0016! - paragraph '0025!; figures 2,3 | 5,12,15 |
| A | PATENT ABSTRACTS OF JAPAN vol. 2002, no. 07, 3 July 2002 (2002-07-03) & JP 2002 085103 A (KITABAYASHI YASUO), 26 March 2002 (2002-03-26) abstract | 4-6 |
| A | US 5 774 898 A (MALPEE MITCHELL G) 7 July 1998 (1998-07-07) column 4, line 64 - column 5, line 7 | 15 |
| A | EP 1 090 564 A (DIEFFEGI S P A) 11 April 2001 (2001-04-11) the whole document | 14 |
| A | US 2001/018805 A1 (BASSO FABIO) 6 September 2001 (2001-09-06) the whole document | 14 |

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see the Supplemental Sheet

As a result of the prior review under R. 40.2(e) PCT,
all additional fees are to be refunded.

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☒ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

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The International Searching Authority has determined that this international application contains multiple (groups of) inventions, namely

1. Claims 1-3

a sole with an outwardly rounded tread area.

2. Claims 4-13

at least one air-conditioning channel is provided in the tread area.

3. Claim 14

an X-cross bandage.

4. Claim 15

padding.

INTERNATIONAL SEARCH REPORT

Information on patent family members

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| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|--|--|
| DE 20207304 | U | 02-10-2002 | DE 20207304 U1 | 02-10-2002 |
| EP 0362185 | A | 04-04-1990 | BE 1002519 A7 EP 0362185 A2 | 12-03-1991 04-04-1990 |
| FR 2380687 | A | 08-09-1978 | AT 107776 A AT 345124 B CH 614355 A5 DE 2705481 A1 DE 7703866 U1 FR 2380687 A7 | 15-12-1977 25-08-1978 30-11-1979 25-08-1977 13-09-1979 08-09-1978 |
| US 5592757 | A | 14-01-1997 | NONE | |
| WO 0115560 | A | 08-03-2001 | CH 694147 A5 AU 5960900 A BR 0006687 A CA 2343044 A1 WO 0115560 A1 CN 1320019 T CZ 20011278 A3 EP 1124462 A1 HU 0103308 A2 JP 2003508098 T NO 20012145 A PL 347372 A1 TR 200101162 T2 ZA 200100398 A TW 520982 B | 13-08-2004 26-03-2001 16-04-2002 08-03-2001 08-03-2001 31-10-2001 15-08-2001 22-08-2001 28-01-2002 04-03-2003 20-06-2001 08-04-2002 21-11-2001 21-08-2001 21-02-2003 |
| EP 1310181 | A | 14-05-2003 | IT MI20012380 A1 EP 1310181 A1 | 12-05-2003 14-05-2003 |
| JP 2002085103 | A | 26-03-2002 | NONE | |
| US 5774898 | A | 07-07-1998 | WO 0001261 A1 | 13-01-2000 |
| EP 1090564 | A | 11-04-2001 | AT 248535 T DE 60004941 D1 DE 60004941 T2 EP 1090564 A1 ES 2206121 T3 PT 1090564 T | 15-09-2003 09-10-2003 15-07-2004 11-04-2001 16-05-2004 27-02-2004 |
| US 2001018805 | A1 | 06-09-2001 | FR 2805753 A1 EP 1132015 A1 JP 2001269202 A US 2004025374 A1 | 07-09-2001 12-09-2001 02-10-2001 12-02-2004 |